

Werkplekleren

Netwerkdokumentatie-oefening



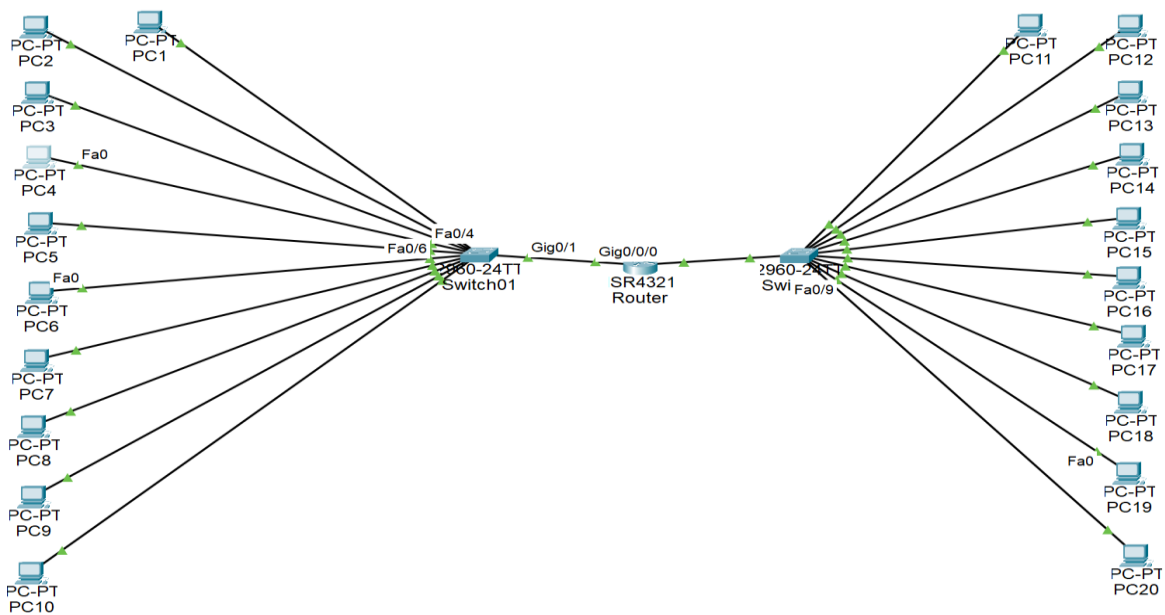
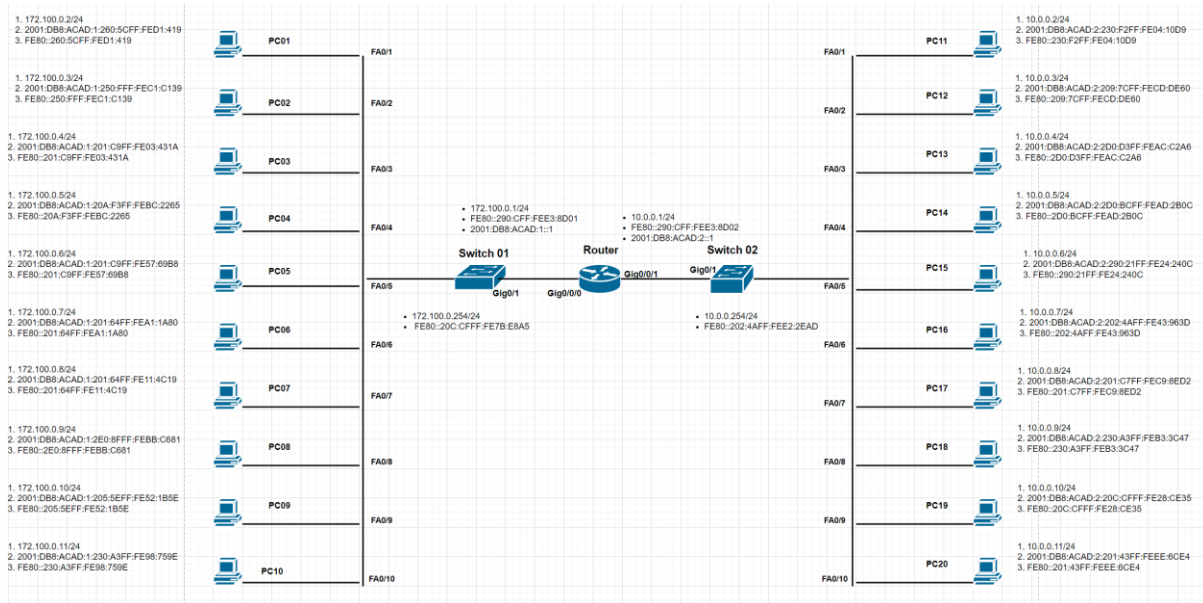
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Github Link

<https://github.com/BramSegersPXL/Networkopdracht>

1. Logical topology en cisco topology.



2. Gebruikte onderdelen

- * 1 Router ISR4321
- * 2 Switches 2960-24TT
- * 20 Computers

3. Poorttoewijzingen

Switch01	Giga 0/1
PC01	FA 0/1
PC02	FA 0/2
PC03	FA 0/3
PC04	FA 0/4
PC05	FA 0/5
PC06	FA 0/6
PC07	FA 0/7
PC08	FA 0/8
PC09	FA 0/9
PC10	FA 0/10
Switch02	Giga 0/1
PC11	FA 0/1
PC12	FA 0/2
PC13	FA 0/3
PC14	FA 0/4
PC15	FA 0/5
PC16	FA 0/6
PC17	FA 0/7
PC18	FA 0/8
PC19	FA 0/9
PC20	FA 0/10
Router Switch01	Giga 0/0/0
Router switch02	Giga0/0/1

4. Router en switch adressen

toestel	IPv6 adress	IPv6 adress	linc local adress
Switch01	172.100.0.254/24		FE80::20C:CFFF:FE7B:E8A5
Switch02	10.0.0.254/24		FE80::202:4AFF:FEE2:2EAD
Router Giga 0/0/0	172.100.0.1/24	2001:DB8:ACAD:1::1	FE80::290:CFF:FEE3:8D01
Router Giga 0/0/1	10.0.0.1/24	2001:DB8:ACAD:2::1	FE80::290:CFF:FEE3:8D02

5. Adressen van computers

Switch01

PC	IPv4 adress	IPv6 adress	link local adress	Mac adressen
PC01	172.100.0.2	2001:DB8:ACAD:1:260:5CFF:FED1:419	FE80::260:5CFF:FED1:419	0060.5cd1.0419
PC02	172.100.0.3	2001:DB8:ACAD:1:250:FFF:FEC1:C139	FE80::250:FFF:FEC1:C139	0050.0fc1.c139
PC03	172.100.0.4	2001:DB8:ACAD:1:201:C9FF:FE03:431A	FE80::201:C9FF:FE03:431A	0001.c903.431a
PC04	172.100.0.5	2001:DB8:ACAD:1:20A:F3FF:FEBC:2265	FE80::20A:F3FF:FEBC:2265	000a.f3bc.2265
PC05	172.100.0.6	2001:DB8:ACAD:1:201:C9FF:FE57:69B8	FE80::201:C9FF:FE57:69B8	0001.c957.69b8
PC06	172.100.0.7	2001:DB8:ACAD:1:201:64FF:FEA1:1A80	FE80::201:64FF:FEA1:1A80	0001.64a1.1a80
PC07	172.100.0.8	2001:DB8:ACAD:1:201:64FF:FE11:4C19	FE80::201:64FF:FE11:4C19	0001.6411.4c19
PC08	172.100.0.9	2001:DB8:ACAD:1:2E0:8FFF:FEBC:C681	FE80::2E0:8FFF:FEBC:C681	00e0.8fbb.c681
PC09	172.100.0.10	2001:DB8:ACAD:1:205:5EFF:FE52:1B5E	FE80::205:5EFF:FE52:1B5E	0005.5e52.1b5e
PC10	172.100.0.11	2001:DB8:ACAD:1:230:A3FF:FE98:759E	FE80::230:A3FF:FE98:759E	0030.a398.759e

Switch02

PC	IPv4 adress	IPv6 adress	link local adress	Mac adress
PC11	10.0.0.2	2001:DB8:ACAD:2:230:F2FF:FE04:10D9	FE80::230:F2FF:FE04:10D9	0030.f204.10d9
PC12	10.0.0.3	2001:DB8:ACAD:2:209:7CFF:FECD:DE60	FE80::209:7CFF:FECD:DE60	0009.7ccd.de60
PC13	10.0.0.4	2001:DB8:ACAD:2:2D0:D3FF:FEAC:C2A6	FE80::2D0:D3FF:FEAC:C2A6	00d0.d3ac.c2a6
PC14	10.0.0.5	2001:DB8:ACAD:2:2D0:BCFF:FEAD:2B0C	FE80::2D0:BCFF:FEAD:2B0C	00d0.bcad.2b0c
PC15	10.0.0.6	2001:DB8:ACAD:2:290:21FF:FE24:240C	FE80::290:21FF:FE24:240C	0090.2124.240c
PC16	10.0.0.7	2001:DB8:ACAD:2:202:4AFF:FE43:963D	FE80::202:4AFF:FE43:963D	0002.4a43.963d
PC17	10.0.0.8	2001:DB8:ACAD:2:201:C7FF:FEC9:8ED2	FE80::201:C7FF:FEC9:8ED2	0001.c7c9.8ed2
PC18	10.0.0.9	2001:DB8:ACAD:2:230:A3FF:FEB3:3C47	FE80::230:A3FF:FEB3:3C47	0030.a3b3.3c47
PC19	10.0.0.10	2001:DB8:ACAD:2:20C:CFFF:FE28:CE35	FE80::20C:CFFF:FE28:CE35	000c.cf28.ce35
PC20	10.0.0.11	2001:DB8:ACAD:2:201:43FF:EEEE:6CE4	FE80::201:43FF:EEEE:6CE4	0001.43ee.6ce4

6. Router configuratie

Login password : pxl

Secret password : pxl

Current configuration : 1348 bytes

!

version 15.4

no service timestamps log datetime msec

no service timestamps debug datetime msec

service password-encryption

!

hostname router

!

!

!

enable secret 5 \$1\$mERr\$NARFGJytzNQ.L1OAZ.TVE/

!

!

!

!

!

!

ip cef

ipv6 unicast-routing

!

no ipv6 cef

!

!

!

```
username bram password 7 08315442
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
ip domain-name pxl.be
```

```
!
```

```
!
```

```
spanning-tree mode pvst
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
interface GigabitEthernet0/0/0
```

```
ip address 172.100.0.1 255.255.255.0
```

```
duplex auto
```

```
speed auto
```

```
ipv6 address 2001:DB8:ACAD:1::1/64
```

```
!
```

```
interface GigabitEthernet0/0/1
```

```
ip address 10.0.0.1 255.255.255.0
```

```
duplex auto
```

```

speed auto

ipv6 address 2001:DB8:ACAD:2::1/64

!

interface Vlan1

no ip address

shutdown

!

ip classless

!

ip flow-export version 9

!

!

!

banner motd ^Cc

*****

*      WARNING!!!!      *

*                  *

*   unauthorized entry   *

* will be hanged when found *

*   so don't try,       *

*   i will be watching   *

*                  *

* admin:Segers Bram      *

* 12402420@student.pxl.be *

*****

^C

!

```



```
!  
!  
!  
line con 0  
password 7 08315442  
login  
!  
line aux 0  
password 7 08315442  
login  
!  
line vty 0 4  
password 7 08315442  
login local  
transport input ssh  
line vty 5 15  
password 7 08315442  
login local  
transport input ssh  
!  
!  
!  
End
```

7. Switch configuratie

Login password : pxl

Secret password :pxl

7.1 Switch01 configuratie

Current configuration : 1767 bytes

!

version 15.0

no service timestamps log datetime msec

no service timestamps debug datetime msec

service password-encryption

!

hostname switch01

!

!

enable secret 5 \$1\$mERr\$NARFGJytzNQ.L1OAZ.TVE/

!

!

!

ip domain-name pxl.be

!

username bram privilege 1 password 7 08315442

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

!

interface FastEthernet0/1

!
interface FastEthernet0/2
!
interface FastEthernet0/3
!
interface FastEthernet0/4
!
interface FastEthernet0/5
!
interface FastEthernet0/6
!
interface FastEthernet0/7
!
interface FastEthernet0/8
!
interface FastEthernet0/9
!
interface FastEthernet0/10
!
interface FastEthernet0/11
!
interface FastEthernet0/12
!
interface FastEthernet0/13
!
interface FastEthernet0/14
!
interface FastEthernet0/15

```
!  
interface FastEthernet0/16  
!  
interface FastEthernet0/17  
!  
interface FastEthernet0/18  
!  
interface FastEthernet0/19  
!  
interface FastEthernet0/20  
!  
interface FastEthernet0/21  
!  
interface FastEthernet0/22  
!  
interface FastEthernet0/23  
!  
interface FastEthernet0/24  
!  
interface GigabitEthernet0/1  
!  
interface GigabitEthernet0/2  
!  
interface Vlan1  
ip address 172.100.0.254 255.255.255.0  
!  
ip default-gateway 172.100.0.1  
!
```

```
banner motd ^Cc
```

```
*****
```

```
*      WARNING!!!!      *
```

```
*              *
```

```
*    unauthorized entry    *
```

```
*  will be hanged when found  *
```

```
*    so don't try,        *
```

```
*  i will be watching     *
```

```
*              *
```

```
* admin:Segers Bram      *
```

```
* 12402420@student.pxl.be  *
```

```
*****
```

```
^C
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
line con 0
```

```
password 7 08315442
```

```
login
```

```
!
```

```
line vty 0 4
```

```
password 7 08315442
```

```
login local
```

```
transport input ssh
```

```
line vty 5 15
```

```
password 7 08315442
```

```
login local
transport input ssh
End
```

7.2 Switch02 configuratie

Current configuration : 1761 bytes

```
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname switch02
!
!
enable secret 5 $1$mERr$NARFGJytzNQ.L1OAZ.TVE/
!
!
!
ip domain-name pxl.be
!
username bram privilege 1 password 7 08315442
!
!
!
spanning-tree mode pvst
spanning-tree extend system-id
```

!
interface FastEthernet0/1
!
interface FastEthernet0/2
!
interface FastEthernet0/3
!
interface FastEthernet0/4
!
interface FastEthernet0/5
!
interface FastEthernet0/6
!
interface FastEthernet0/7
!
interface FastEthernet0/8
!
interface FastEthernet0/9
!
interface FastEthernet0/10
!
interface FastEthernet0/11
!
interface FastEthernet0/12
!
interface FastEthernet0/13
!
interface FastEthernet0/14

!
interface FastEthernet0/15
!
interface FastEthernet0/16
!
interface FastEthernet0/17
!
interface FastEthernet0/18
!
interface FastEthernet0/19
!
interface FastEthernet0/20
!
interface FastEthernet0/21
!
interface FastEthernet0/22
!
interface FastEthernet0/23
!
interface FastEthernet0/24
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
ip address 10.0.0.254 255.255.255.0
!

ip default-gateway 10.0.0.1

!

banner motd ^Cc

* WARNING!!!! *

* *

* unauthorized entry *

* will be hanged when found *

* so don't try, *

* i will be watching *

* *

* admin:Segers Bram *

* 12402420@student.pxl.be *

^C

!

!

!

!

!

line con 0

password 7 08315442

login

!

line vty 0 4

password 7 08315442

login local

transport input ssh

line vty 5 15

password 7 08315442

login local

transport input ssh

!

!

!

!